



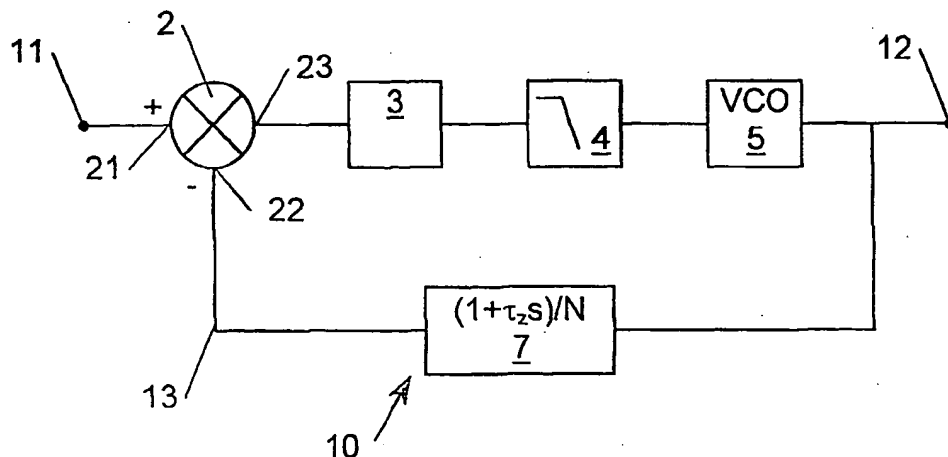
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- (54) Title: PHASE LOCKED LOOP CIRCUIT, ELECTRONIC DEVICE INCLUDING A PHASE LOCKED LOOP CIRCUIT AND METHOD FOR GENERATING A PERIODIC SIGNAL



(57) **Abstract:** A phase locked loop (PLL) circuit (1) comprising a loop input (11); a phase detector section (2) for detecting a phase difference between an input signal and a reference signal. The phase detector section (2) has a detector input connected to the loop input, a reference input and a detector output for outputting a signal related to the phase difference. A controlled oscillator (4) is connected with an input to the detector output and an oscillator output is connected to a loop output (12). The PLL has a feedback circuit which connects the oscillator output to the reference input, wherein the feedback circuit includes a device (7;71-74) having a transfer function with at least one zero.